

FIG. 1 is a block diagram of a network system 100. The network system 100 includes a first personal computing device 10, a second personal computing device 54, and a DNS server 58. The first personal computing device 10 is connected to the Internet 60 via a wireless interface 22. The second personal computing device 54 is connected to the Internet 60 via a wireless interface 56. The DNS server 58 is connected to the Internet 60. The first personal computing device 10 includes a modem 20, a processor 14, memory 16, a wireless interface 22, and a ROM 18. The second personal computing device 54 includes a processor 34, memory 36, a disk controller 40, a disk drive 48, an I/O controller 50, a display controller 42, and a wireless interface 56. The network system 100 is connected to the Internet 60 via a bus 52.

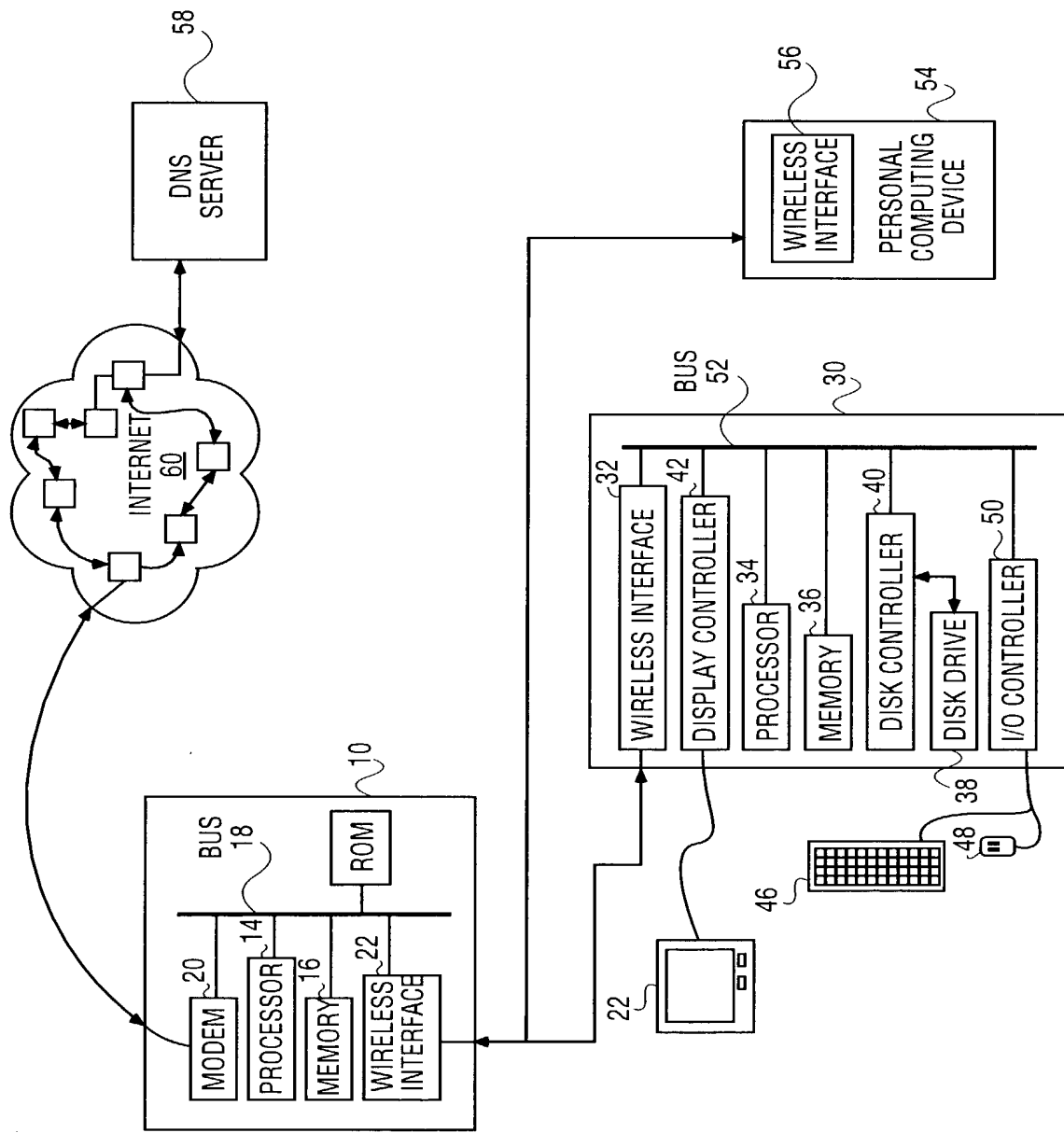


FIG. 1

FIG. 2 is a block diagram of a personal computing device 50 connected to a network 100 and a DNS server 98.

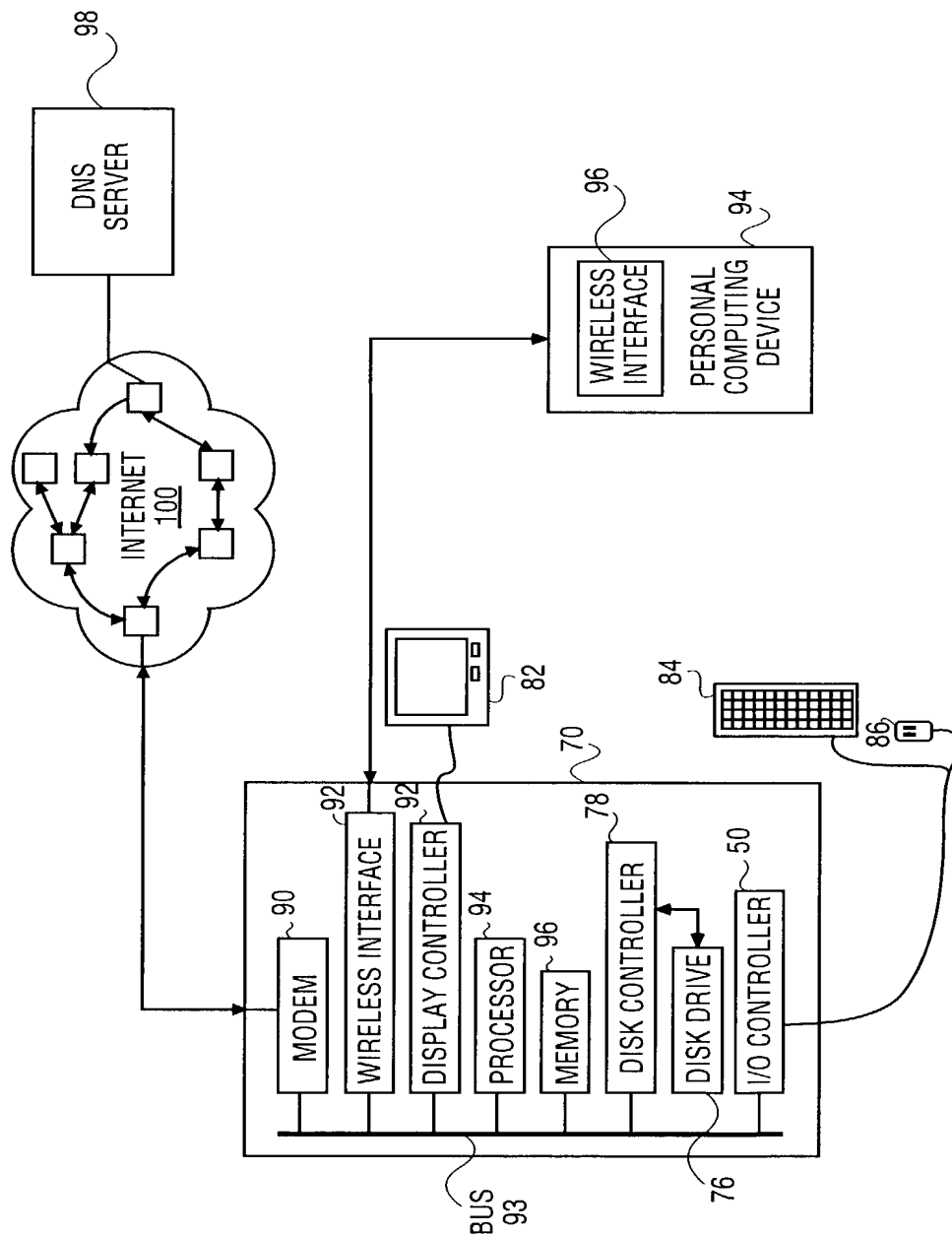


FIG. 2

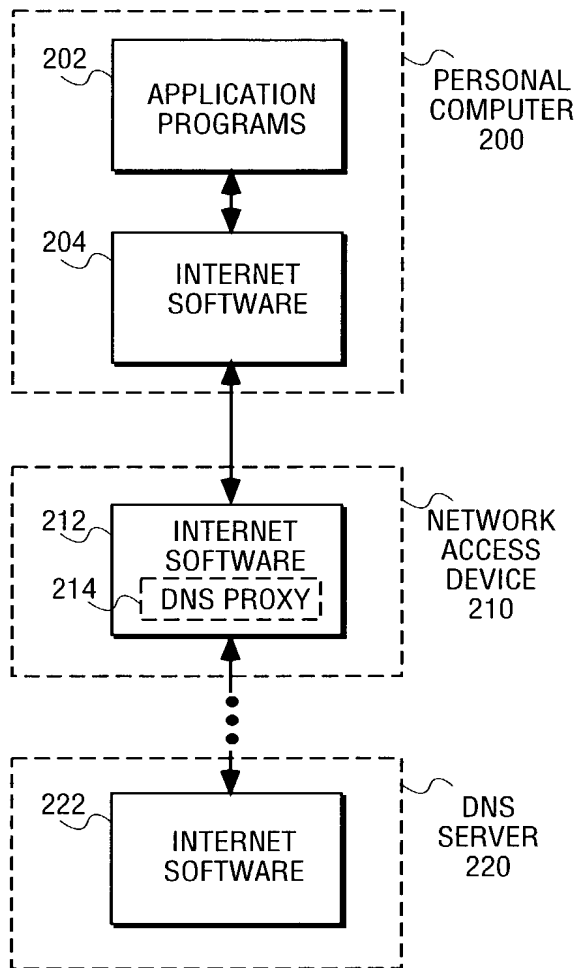


FIG. 3

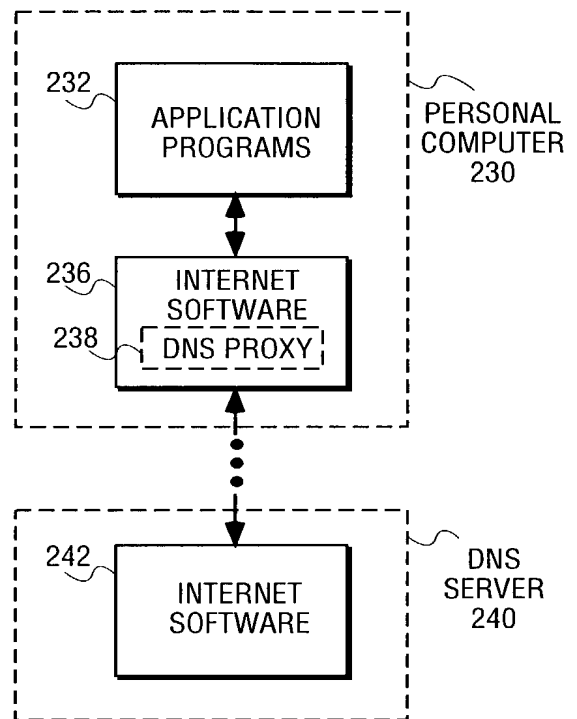
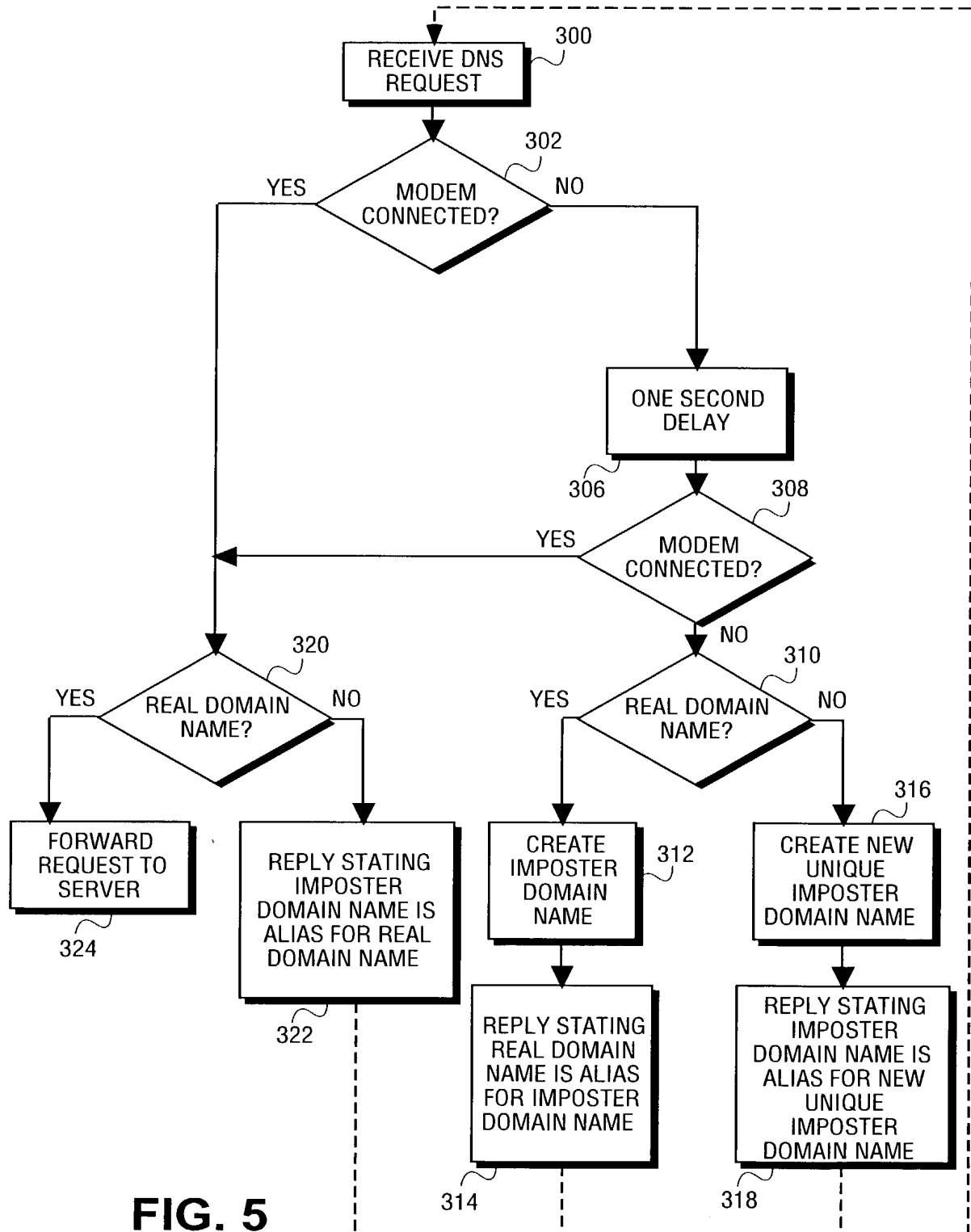


FIG. 4



Parameter	Value	Unit
Mass	1.0	M_{\odot}
Radius	1.0	R_{\odot}
Age	100	Myr
Distance	100	pc
Temperature	1000	K
Density	1.0	g cm^{-3}
Pressure	1.0	dyn cm^{-2}
Velocity	100	km s^{-1}
Acceleration	1.0	cm s^{-2}
Gravitational constant	6.67	$\times 10^{-8} \text{ cm}^3 \text{ g}^{-1} \text{ s}^{-2}$
Boltzmann constant	1.38	$\times 10^{-16} \text{ erg K}^{-1}$
Planck constant	6.63	$\times 10^{-27} \text{ erg s}$
Speed of light	3.00	$\times 10^{10} \text{ cm s}^{-1}$
Gas constant	8.31	$\text{J K}^{-1} \text{ mol}^{-1}$
Universal gas constant	8.31	$\text{J K}^{-1} \text{ mol}^{-1}$
Avogadro's number	6.02	$\times 10^{23} \text{ mol}^{-1}$
Stefan-Boltzmann constant	5.67	$\times 10^{-8} \text{ W m}^{-2} \text{ K}^{-4}$
Wien's displacement law	2.89	$\times 10^{-3} \text{ m K}$
Rayleigh-Jeans law	1.0	$\text{W m}^{-2} \text{ K}^{-4}$
Schwarzschild radius	3.0	$\times 10^3 \text{ m}$
Hubble constant	70	$\text{km s}^{-1} \text{ Mpc}^{-1}$
Age of the universe	13.7	Gyr
Mass of the sun	1.99	$\times 10^{30} \text{ kg}$
Radius of the sun	6.96	$\times 10^8 \text{ m}$
Temperature of the sun	5778	K
Density of the sun	1.41	g cm^{-3}
Pressure of the sun	2.5	$\times 10^{11} \text{ dyn cm}^{-2}$
Velocity of the sun	220	km s^{-1}
Acceleration of the sun	1.0	cm s^{-2}
Gravitational constant	6.67	$\times 10^{-8} \text{ cm}^3 \text{ g}^{-1} \text{ s}^{-2}$
Boltzmann constant	1.38	$\times 10^{-16} \text{ erg K}^{-1}$
Planck constant	6.63	$\times 10^{-27} \text{ erg s}$
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Velocity of the sun	220	km s^{-1}
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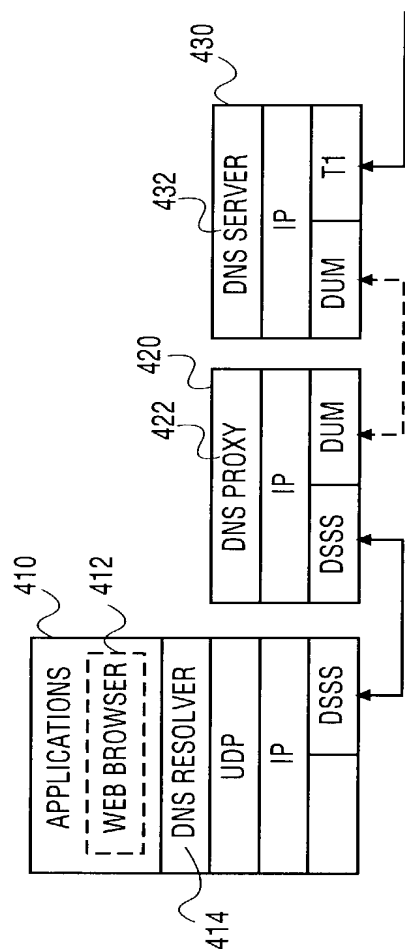


FIG. 6

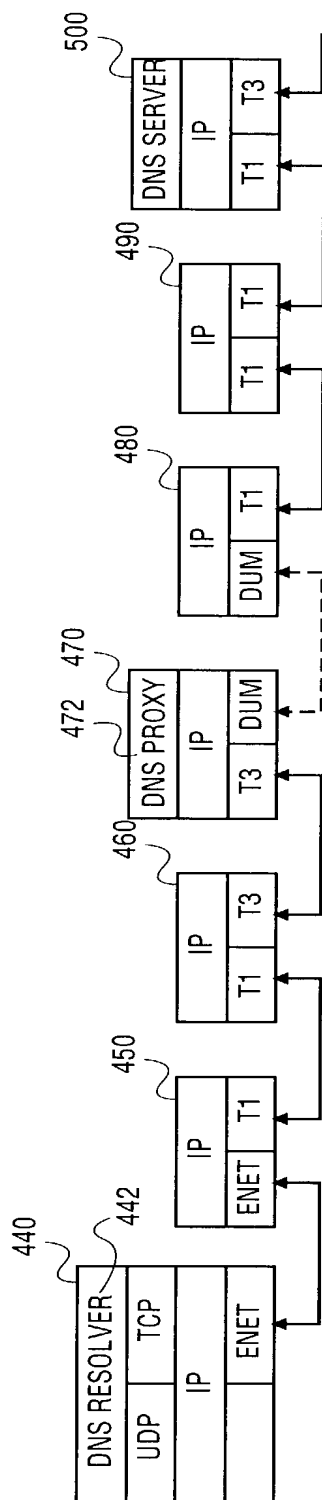


FIG. 7